

RECALL

3,456,789

- 1) Show this number in a place value grid.
- 2) Split this number using part-whole model.
- 3) Write this number in words

L.O. TO READ, WRITE, ORDER AND COMPARE NUMBERS UP TO 10 MILLION AND DETERMINE THE VALUE OF EACH DIGIT

- **SOME WILL EVEN:** Identify a specific number which matches given statements.
- **SOME WILL:** Identify 10/100/1000/10,000/100,000/1,000,000 more or less than.
- **MOST WILL:** Write specific numbers in numerals and words.
- **ALL WILL:** Identify the place value of each digit in a number using various models.



Aki

Jamie



a) In the game, how much money does Jamie have?

b) How much money does Aki have?

help

Use a place value grid to help you

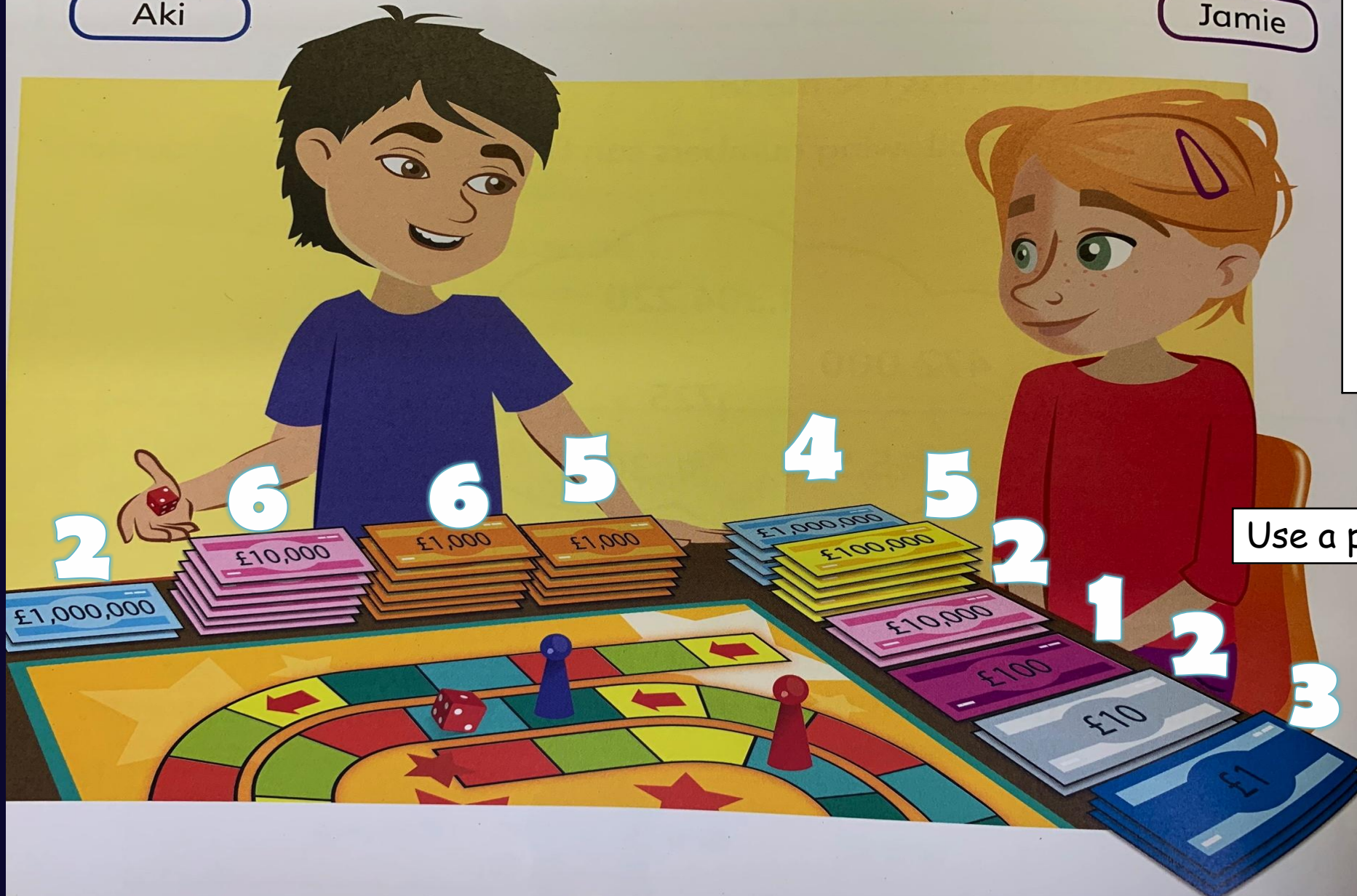


How many different ways can you show Aki's amount?



Aki

Jamie



- a) In the game, how much money does Jamie have if she wins two more yellow notes?
- b) How much money does Aki have if he wins 2 more blue notes?

help

Use a place value grid to help you

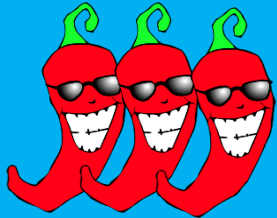
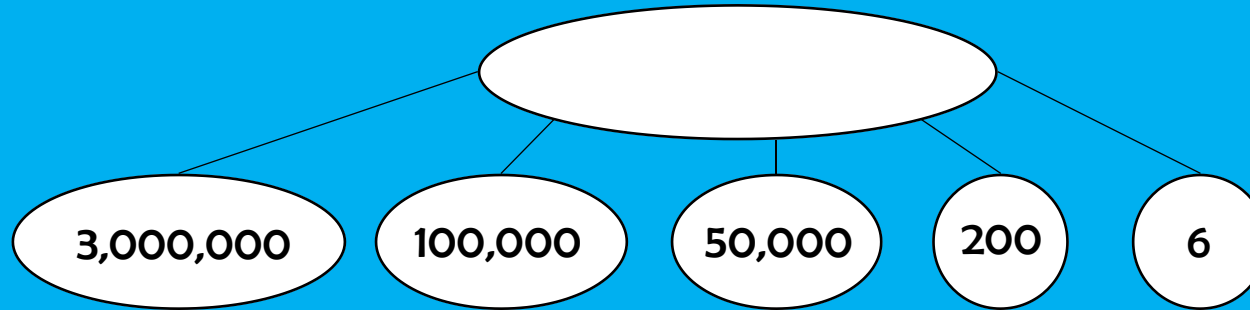
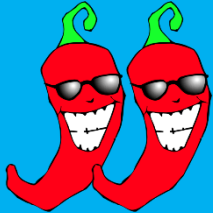


How many different ways can you show Aki's new amount?

Write these partitioned numbers in numerals



M	HTh	TTh	Th	H	T	O
• • •	• • • •	• •	•	• • • •	• • • • • • •	• • • • • •



$$7,000,000 + 600,000 + 90,000 + 700 + 10 + 2$$

How many different ways can you partition 8,146,502?



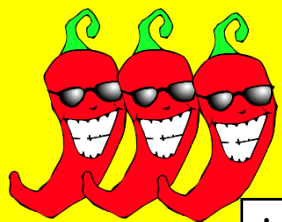
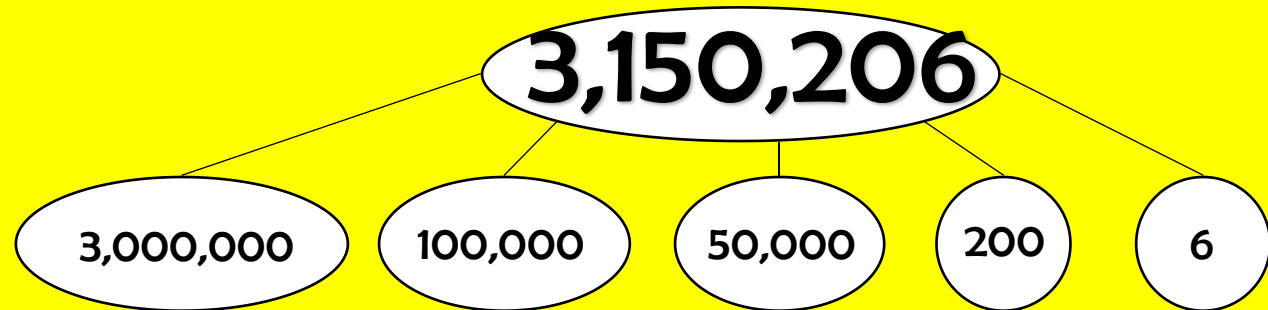
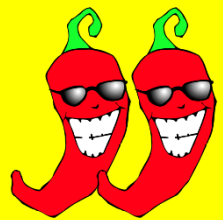
M	HTh	TTh	Th	H	T	O
• • •	• • • • • • • • • • •	• •	•	• • • •	• • • • • • •	• • • • • •

Write these partitioned numbers in numerals

3,421,475



M	HTh	TTh	Th	H	T	O
•••	••••	••	•	••••	•••••	••••



7,000,000 + 600,000 + 90,000 + 700 + 10 + 2

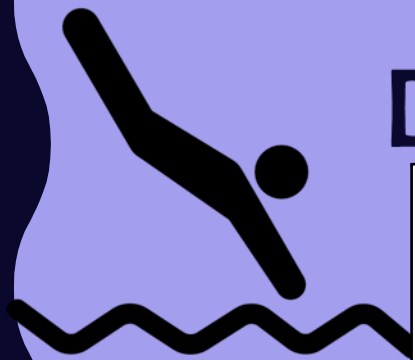
7,690,712

How many different ways can you partition 8,146,502?



M	HTh	TTh	Th	H	T	O
•••	•••••	••	•	••••	•••••	••••

4,021,475



DIVE DEEPER 1

1. How much money does Bella have?

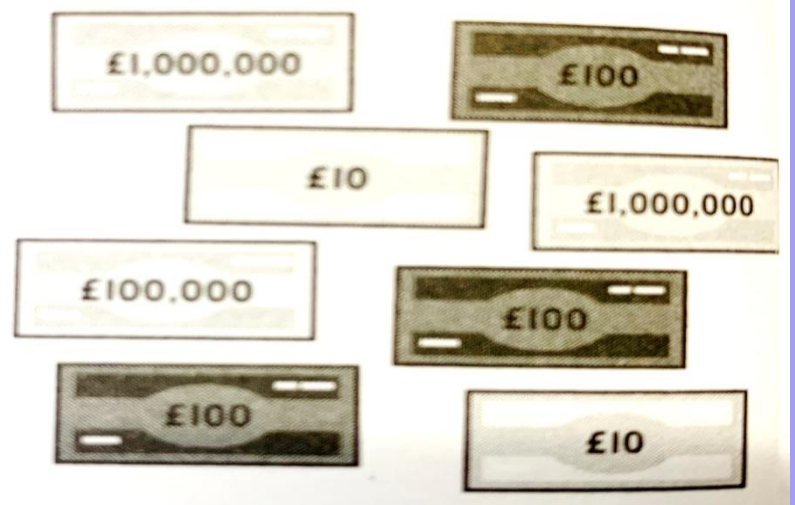
_____ + _____ + _____ + _____ = _____

Bella has £ _____

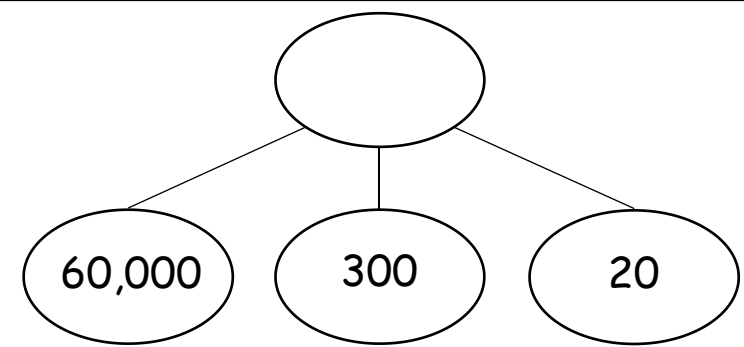
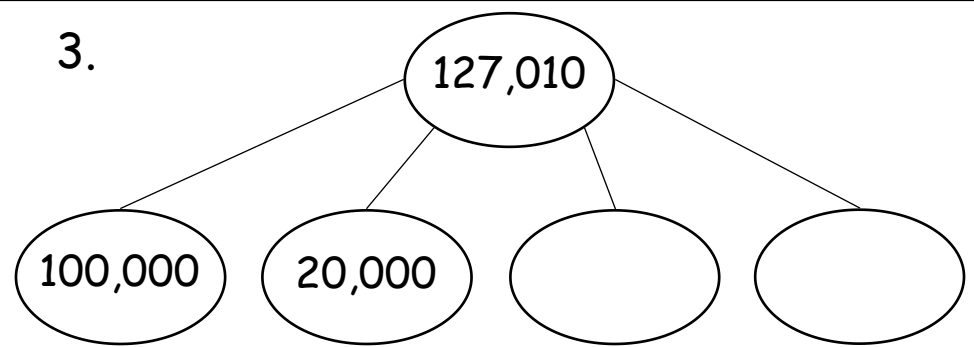
M	HTh	TTh	Th	H	T	O
	£100,000 £100,000 £100,000	£10,000 £10,000 £10,000 £10,000 £10,000			£10 £10 £10	£1 £1 £1 £1 £1 £1 £1 £1

2. How much money does Jamilla have?

Jamilla has £ _____



3.



1) $300,000 + 50,000 + 30 + 7 = 350,037$

Bella has £350,037

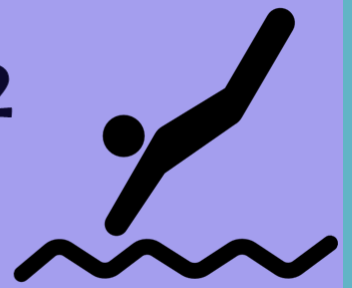
2) $2,000,000 + 100,000 + 300 + 20 = 2,100,320$

Jamilla has £2,100,320

3) 7000 10 60,320



DIVE DEEPER 2



4. Complete these partitions.

- a) $8,047 = 8,000 + 40 + \underline{\hspace{2cm}}$
- b) $30,429 = 30,000 + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$
- c) $260,392 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$
- d) $720,000 + 3,500 + 70 + 2 = \underline{\hspace{2cm}}$
- e) $412 + 4,000,000 + \underline{\hspace{2cm}} = 4,412,412$

5. Complete the sentence.

- a) 100 more than 3,098,728 is .
- b) 1,000 more than 3,098,728 is .
- c) 10,000 more than 3,098,728 is .
- d) 1 million less than 3,098,728 is .
- e) 100,000 less than 3,098,728 is .



What is this number?

- The number has 7 digits
- The ten-thousands digit is half the ones digit.
- The hundreds digit is 3 times the million digit.
- The total of all the digits is 20

Is there more than one solution?

4) $\alpha=7$
 $d=723,572$

$b=400+20+9$
 $e=412,000$

$c=200,000+60,000+300+90+2$

5) $\alpha=3,098,828$
 $d=2,098,728$

$b=3,099,728$
 $e=2,998,728$

$c=3,108,728$



7. Sort the numbers using the Carroll diagram below.

	Between 5 million and 10 million	Between 1 million and 5 million
Digits add to an even number		
Digits add to an odd number		

a. Eight million, six hundred thousand and forty-seven

b. 3,705,009

c. 5,025,001

d.

e. 4,905,106

3,009,450

1,951,558



VF

Can you generate five of your own 7-digit numbers and place them?

